

10/031,838

Amendments to the Claims

Please amend the claims as indicated below:

1. (currently amended) A light source, comprising an evacuated container having a cylindrical shape, a diameter in the range of about 8-80 mm, and walls, at least a portion of which comprises an outer glass layer which on at least part thereof is coated on the inside with a layer of phosphor forming a luminescent layer, and a conductive layer forming an anode, which layer of phosphor is excited to luminescence by electron bombardment from a field emission cathode located in the interior of the container,

wherein the field emission cathode comprises an elongate wire-shaped carrier having a cylindrical surface and a first longitudinal axis, and

at least a portion of said cylindrical surface is provided with conductive surface irregularities in the form of carbon nanotubes, each having a second longitudinal axis being essentially perpendicular to the first longitudinal axis, and free ends of said nanotubes forming tips having a radial extension less than about 10 μm .

~~the container has a cylindrical shape and a diameter in the range 8-80 mm.~~

2. (previously presented) The light source according to claim 1, wherein the cylindrical surface has a diameter in the range of 0.5 - 5 mm.

3. (previously presented) The light source according to claim 1, wherein the elongate carrier is made of a conductive material.

4. (previously presented) The light source according to claim 1, wherein the elongate carrier is made of a semi-conductive material.

5. (previously presented) The light source according to claim 1, wherein the elongate carrier is made of an insulating material.

6. (canceled)

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